

Statement of Work
XGFG189001 – F35 Simulator at Truax
Type A & B Services & Negotiate Type C Services
Change Request #1
As of 10 January 2020

I. Background

The 115th Fighter Wing, Truax Field has a requirement to test for existing levels of PFOS/PFOA contaminant in the location of the proposed construction site due to emerging requirements of identifying, tracking, and remediating areas suspected to be contaminated.

II. Scope

The purpose of this SOW change request is to include testing of PFOS/PFOA in the vicinity of the construction area. The contractor will test both a groundwater and soil at the construction location. Both tests would be the 30-compound test for perfluorinated compounds, and it would be the modified 537 test. These tests need to be accomplished by a lab accredited under the DoD Environmental Laboratory Accreditation Program and certified with the National Environmental Laboratory Accreditation Program. One such lab is Vista Analytical Laboratories, Inc. (Vista), in El Dorado Hills, California.

- A. One (1) soil test will be accomplished at the depth of the bottom of the proposed footing. The test will not damage existing infrastructure; however, it will be as centralized to the center of the proposed building as feasible.
 - 1. Soil borings will be accomplished using direct push technology (DPT) drilling techniques.
 - 2. Advance soil borings from 10-15 ft depending on when groundwater is encountered.
 - 3. As applicable, collect deep soil samples (4-9.5 ft bgs) from acetate sleeves from within the DPT core barrel. Open sleeve lengthwise, examine soil, and log soil characteristics in accordance with the Unified Soil Classification System. Make note of visual cues of potential impacts.

- B. One (1) groundwater test will be accomplished at the top of the water table at the construction site.
 - 1. Drill temporary monitoring well at preapproved location. Prior to well purging, collect static water level measurements with an electronic water level meter. Measure water level at a distance below the top of the PVC riser and record on field data sheets.
 - 2. Collect groundwater samples. Purge well with peristaltic pump, and follow USEPA sampling methodology to collect groundwater samples. Insert tube into the monitoring well to the depth recorded in the sampling logs above the bottom of the well to prevent disturbances and resuspension of sediment present in the bottom of the well. Place the pump intake in the middle of the saturated interval. Connect the pump discharge tube to a flowthrough cell containing a multi-parameter Sonde Instrument (or equivalent) to record water parameters. Purge with a pump rate between 100 and 300 milliliters per minute maintaining a steady flow rate such that drawdown of the water level within the well does not exceed a maximum allowable drawdown of 0.3 ft.
 - 3. Monitor the following parameters during purging: temperature, pH, oxidation-reduction potential (ORP), dissolved oxygen (DO), turbidity, and specific conductivity. Record on approximately five-minute intervals recording the water levels at those times.

Statement of Work
XGFG189001 – F35 Simulator at Truax
Type A & B Services & Negotiate Type C Services
Change Request #1
As of 10 January 2020

4. The well is considered stabilized after three consecutive readings of the following: +/- 0.1 pH, +/-3% specific conductance (conductivity), +/-10 millivolts (mV) for ORP, +/- 10% for DO, and +/-10% for turbidity.
- C. The results of this testing are to be provided in the design documents. It is anticipated that the construction contractor will provide cleanup provisions above the level outlined in the AFGM 2019-32-01 *AFFF Waste Management*, dated 5 September 2019 (pending WI DNR approval).